



**Submersible Electric Pumps
4" and 6" (60Hz)**

EST series



Coding System and General Specifications

E.g.

EST	-	80	08	SN	B2	003	T
XXX	-	XX	XX	XX	XX	XXX	X

Series

EST = Stainless Steel Body & Plastic Impeller Submersible pumps

Nominal Flow (m³/hr)

eg. EST (05/10) = 0.5 m³/hr

EST (220/10) = 22 m³/hr

Number of stages

Impeller/Body Material

SN = SS304 Body and Noryl Impeller

Motor Data

B2 = 60Hz/2pole

Rating (kW/10)

eg. 003 = 0.37 kW

370 = 37 kW

Electrical arrangement

B = Bare Pump

T = Three-phase

M = Single-phase (with plastic control box, sun capacitor)

Z = Special voltage

DESCRIPTION

The 6" submersible pumps for high pressures and flow rates, particularly equipped with a high rigidity **Silicon-Carbide (SIC) Bearing**, provide reliability and quality guaranteed.

Discharge Head and Motor Adaptor are precision machined cast 304 stainless steel for superior strength and durability. The motor adaptor is NEMA standard.

Impellers are floating type made with Noryl® for a superior sand handling. Together with glass filled polycarbonate diffusers make the super strong pumps for maximum wear and abrasive resistance. The materials are FDA compliant materials.

Impeller Bowls are made from 304 stainless steel, maximizing wear from abrasion.

Shaft Coupling is made from 304 stainless steel for easy alignment to the motor shaft.

Strainers is made from stamped 304 stainless steel for rigidity.

Non-Return valve made from 304 stainless steel, fitted in the discharge to prevent any flow of water and alleviate any water hammer to pumps.

Pump Shaft is made from hex 304 stainless steel bar material for high corrosion resistance.

Bearing is made with Polyactal for strong wear and abrasive resistance.

Pump body is covered by a 1.5mm thick 304 polished stainless steel casing, ensures optimum resistance to abrasion.

APPLICATIONS

- Water Supply
- Irrigation
- Pressure Boosting

GENERAL SPECIFICATIONS PUMP

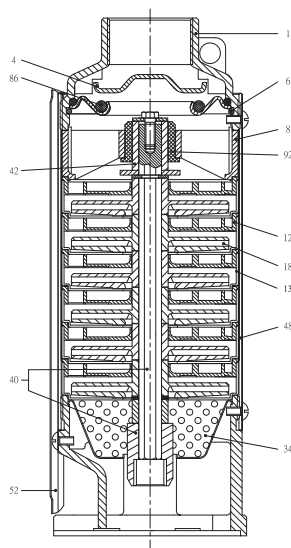
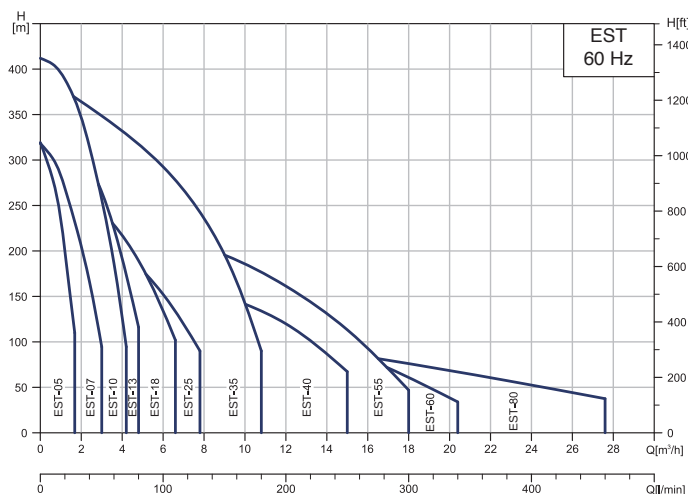
- Delivery: up to 72.8 m³/hr at 3450 rpm
- Head: up to 430 m at 3450 rpm
- Maximum permissible quantity of sand: 50g/m³
- Discharge Size:
EST05 to EST18 - Rp 1 1/4"
EST25 - Rp 1 1/2"
EST35 to EST80 - RP 2"
EST50, EST75 to EST220 - Rp 3"
- Motor Power: from 0.37 kW to 37 kW

MOTOR

Flange	4" & 6" NEMA standard
Degree of protection	IP 68
Insulation class	F
Single phase motors	0.37 kW to 4 kW
Three phase motors	0.37 kW to 37 kW
Standard voltages	1~220V-230V 3~230V or 400V
Cable length	1.7 M 0.37 kW to 1.5 kW 2.5 M 2.2 kW to 37 kW

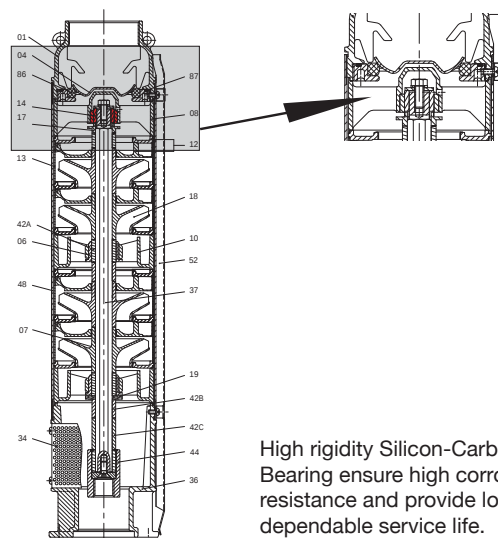
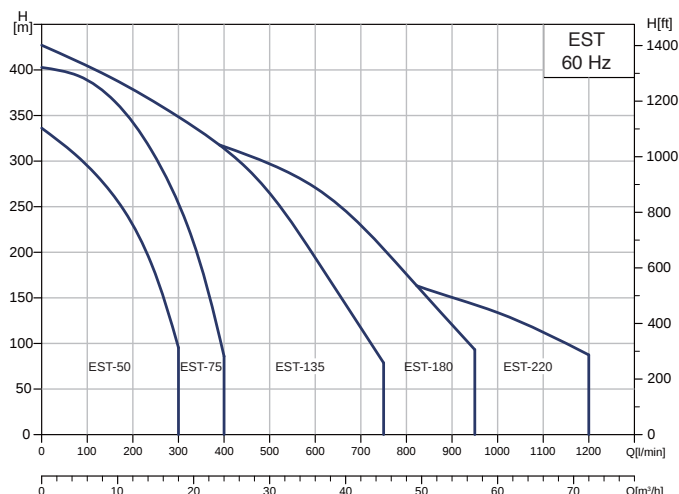
Performance range and Sectional Drawing

EST 4"



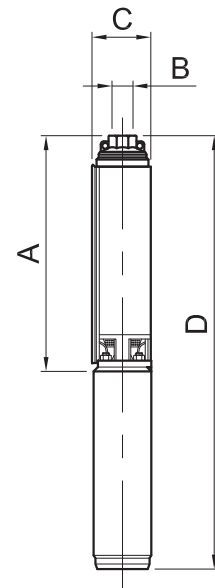
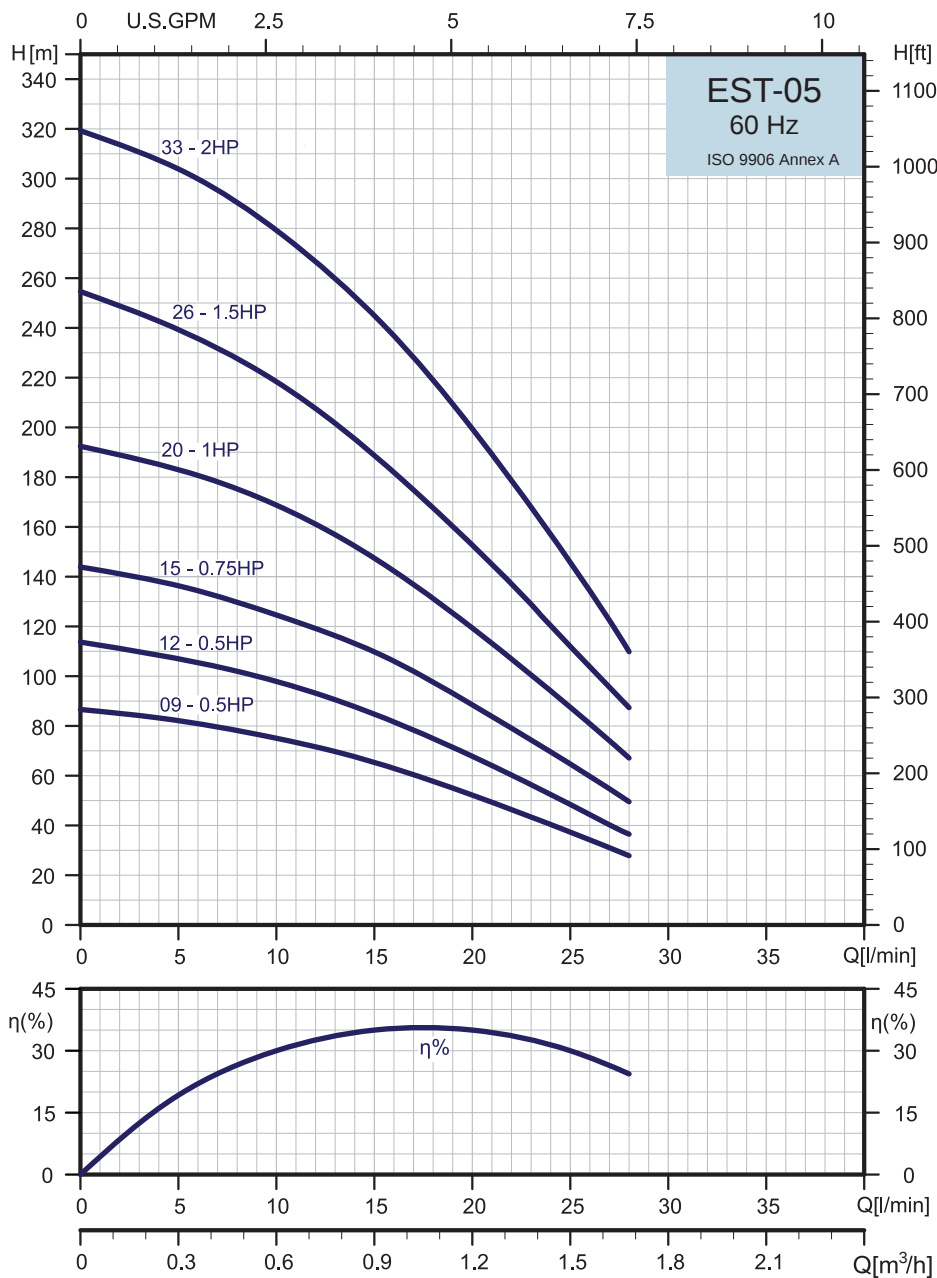
Pos.	Part Name	Material
01	Discharge Head	AISI 304 SS
04	Check Valve Cone	AISI 304 SS
06	Check Valve retaining Ring	AISI 304 SS
08	Bearing Spider	Glass Filled Polycarbonate
12	Diffuser	Glass Filled Polycarbonate
13	Bowl	AISI 304 SS
18	Impeller	Noryl
34	Strainer	AISI 304 SS
40	Pump Shaft/ Coupling	AISI 304 SS
42	Shaft Sleeve	AISI 304 SS or Noryl
48	Pump Casing	AISI 304 SS
52	Cable Guard	AISI 304 SS
86	O-Ring	NBR
92	Bearing	Polyacetal

EST 6"



High rigidity Silicon-Carbide(SiC) Bearing ensure high corrosion resistance and provide long and dependable service life.

Pos.	Part Name	Material
01	Discharge	AISI 304
04	Valve cone	AISI 304
06	Bearing	POM+PTFE
07	Bearing	Bronze
08	Upper bearing spider	AISI 304 + Silicon carbide
10	Bearing Spider	Noryl
12	Diffuser	Glass Filled Polycarbonate
13	Diffuser casing	AISI 304
14	Bearing ring	Silicon carbide
17	Sleeve for boffle	AISI 304
18	Impeller	Noryl
19	Counter thrust bearing plate	Carbon fiber + PTFE
34	Strainer	AISI 304
36	Suction interconnector	AISI 304
37	Pump shaft	AISI 304
42A	Shaft sleeve	AISI 304
42B	Shaft sleeve	Noryl
42C	Shaft sleeve	Noryl
44	Coupling	AISI 304
48	Pump casing	AISI 304
52	Cable guard	AISI 304
86	Valve Seat	AISI 304 + NBR
87	O-ring	NBR

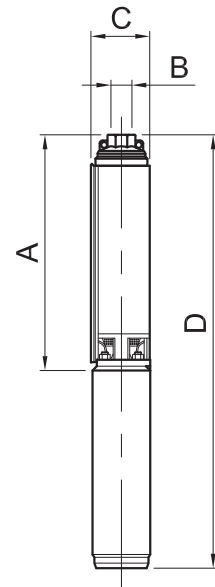
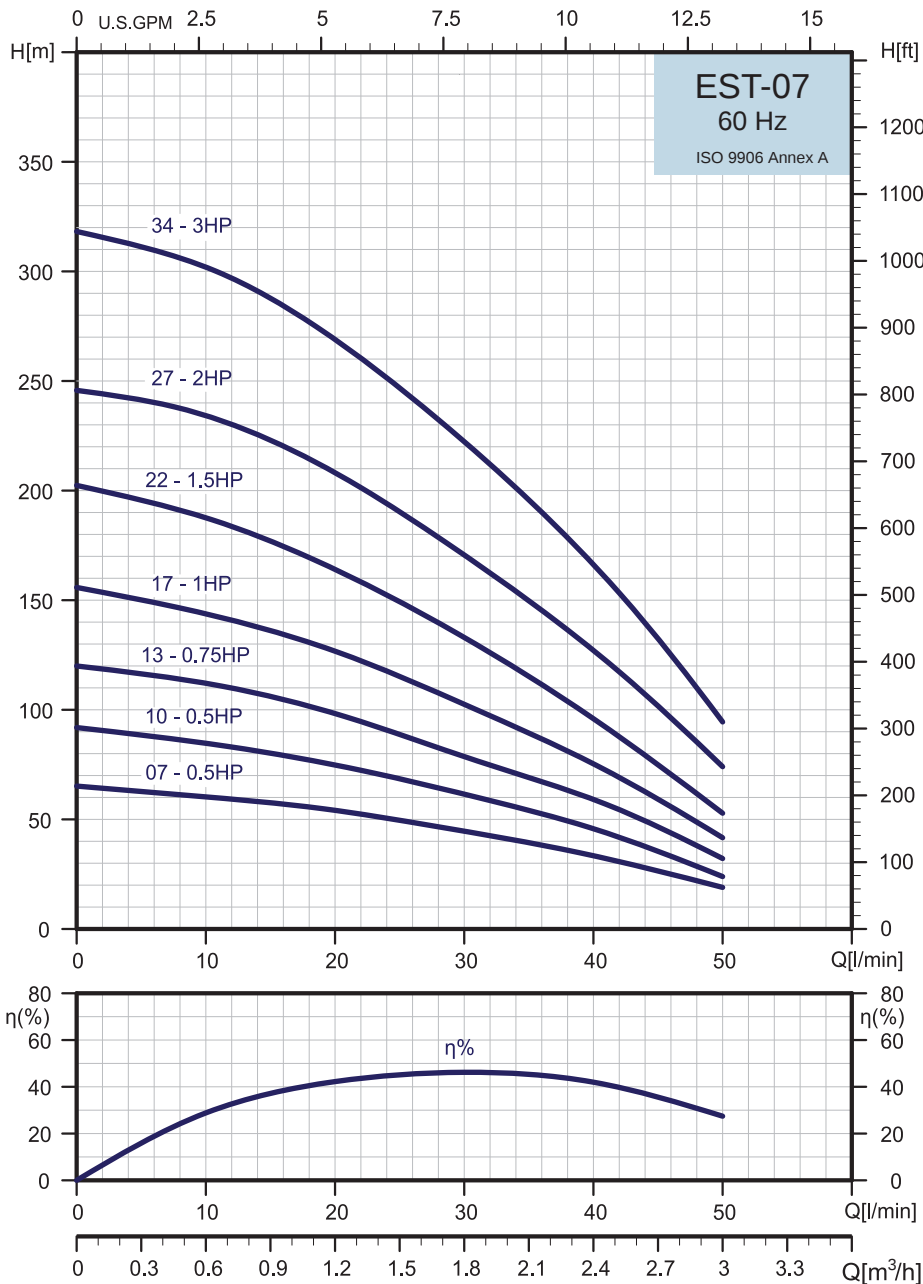


Single Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-05-09	306	RP/NPT 1 1/4"	98	652
EST-05-12	359		98	705
EST-05-15	411		98	776
EST-05-20	499		98	879
EST-05-26	642		98	1047
EST-05-33	795		98	1235

Three Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-05-09	306	RP/NPT 1 1/4"	98	636
EST-05-12	359		98	689
EST-05-15	411		98	757
EST-05-20	499		98	846
EST-05-26	642		98	1022
EST-05-33	795		98	1200

Selection Chart

Pump Type	Stages	Motor		Q=Delivery										
				l/min	0	10	15	20	25	30	35	Pump	Pumpset	
		KW	HP	m ³ /h	0	0.6	0.9	1.2	1.5	1.8	2.1	Net Weight(kg)		
				H=Total Head In Meters										Single phase
EST-05-09	9	0.37	0.5	87	75	65	52	38	21		3.1	10.4	9.8	
EST-05-12	12	0.37	0.5	114	98	85	68	49	28		3.6	10.9	10.3	
EST-05-15	15	0.55	0.75	144	124	110	89	65	39		4.1	12.3	11.5	
EST-05-20	20	0.75	1.0	193	169	148	120	88	53		4.9	13.7	13.1	
EST-05-26	26	1.1	1.5	255	219	179	152	112	68		5.8	15.8	14.7	
EST-05-33	33	1.5	2.0	320	280	245	200	145	82		8.3	19.8	18.3	



Single Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-07-07	275	RP / NPT 1-1/4"	98	621
EST-07-10	330		98	676
EST-07-13	385		98	750
EST-07-17	455		98	835
EST-07-22	545		98	950
EST-07-27	675		98	1115
EST-07-34	833		98	1328

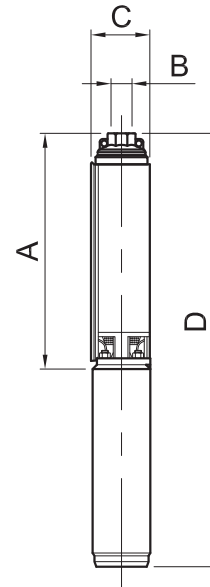
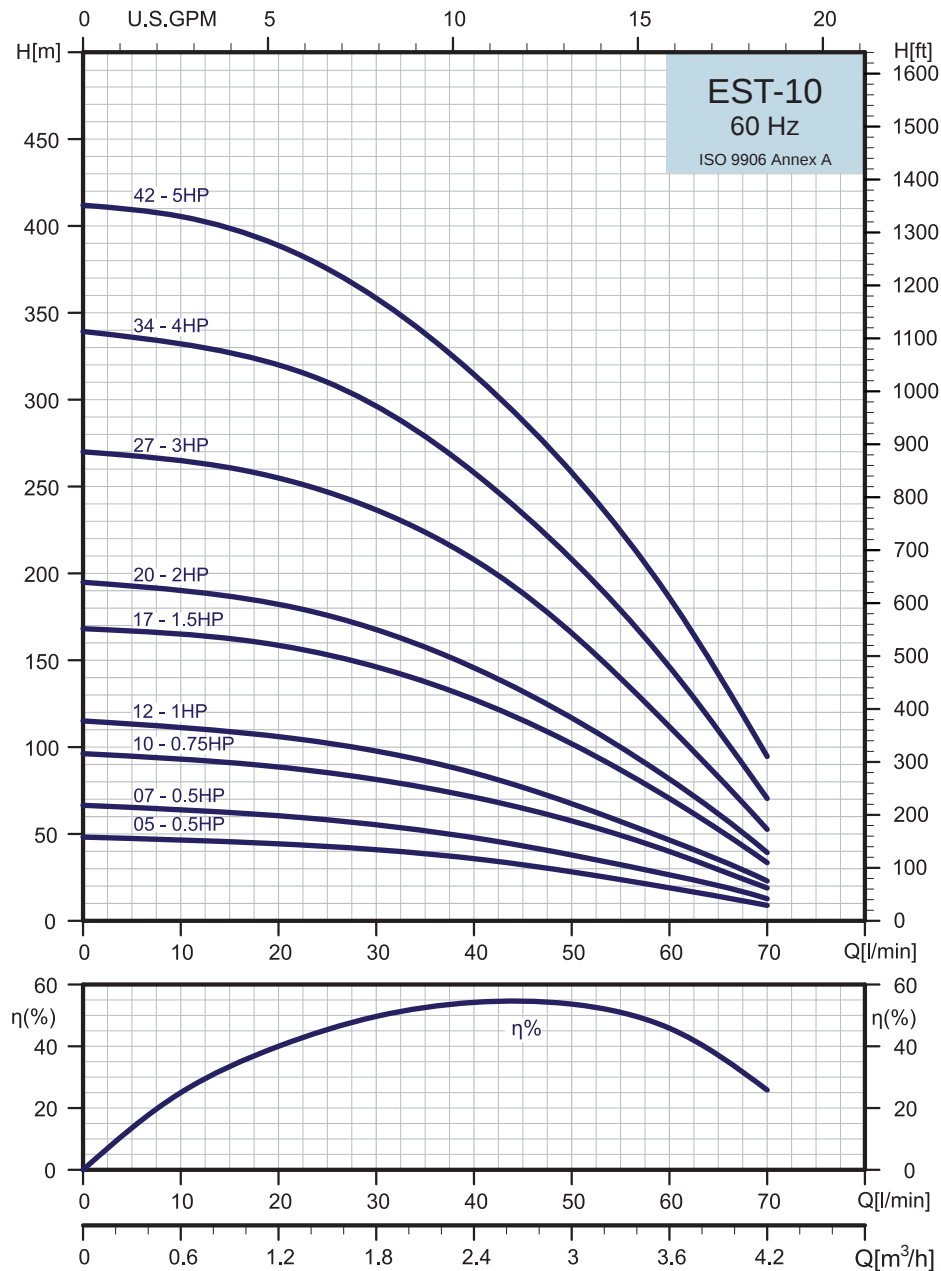
Three Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-07-07	275	RP / NPT 1-1/4"	98	605
EST-07-10	330		98	660
EST-07-13	385		98	731
EST-07-17	455		98	820
EST-07-22	545		98	925
EST-07-27	675		98	1080
EST-07-34	833		98	1273

Selection Chart

Pump Type	Stages	Motor		Q=Delivery													Pump	Pumpset	
				l/min	0	10	15	20	25	30	35	40	50	60					
		KW	HP	m³/h	0	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	Net Weight(kg)				
				H=Total Head In Meters													Single phase	Three phase	
EST-07-07	7	0.37	0.5	66		57	54	49	44	39	33	19		2.7	10.0	9.4			
EST-07-10	10	0.37	0.5	92		80	75	68	62	54	47	24		3.3	10.6	10.0			
EST-07-13	13	0.55	0.75	120		106	98	89	79	69	59	32		3.8	12.0	11.2			
EST-07-17	17	0.75	1.0	156		136	127	115	102	89	75	42		4.5	13.3	12.7			
EST-07-22	22	1.1	1.5	203		177	165	150	133	115	97	53		5.4	15.4	14.3			
EST-07-27	27	1.5	2.0	246		223	208	190	171	150	127	74		6.6	18.1	16.6			
EST-07-34	34	2.2	3.0	318		288	269	247	223	196	167	95		9.3	23.3	20.9			

Performance Curve and Dimension

EST 4"

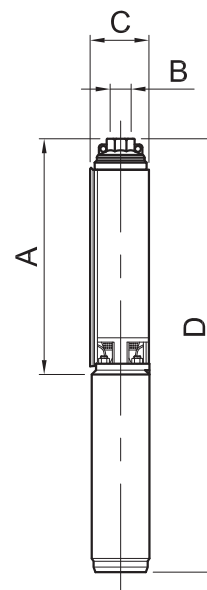
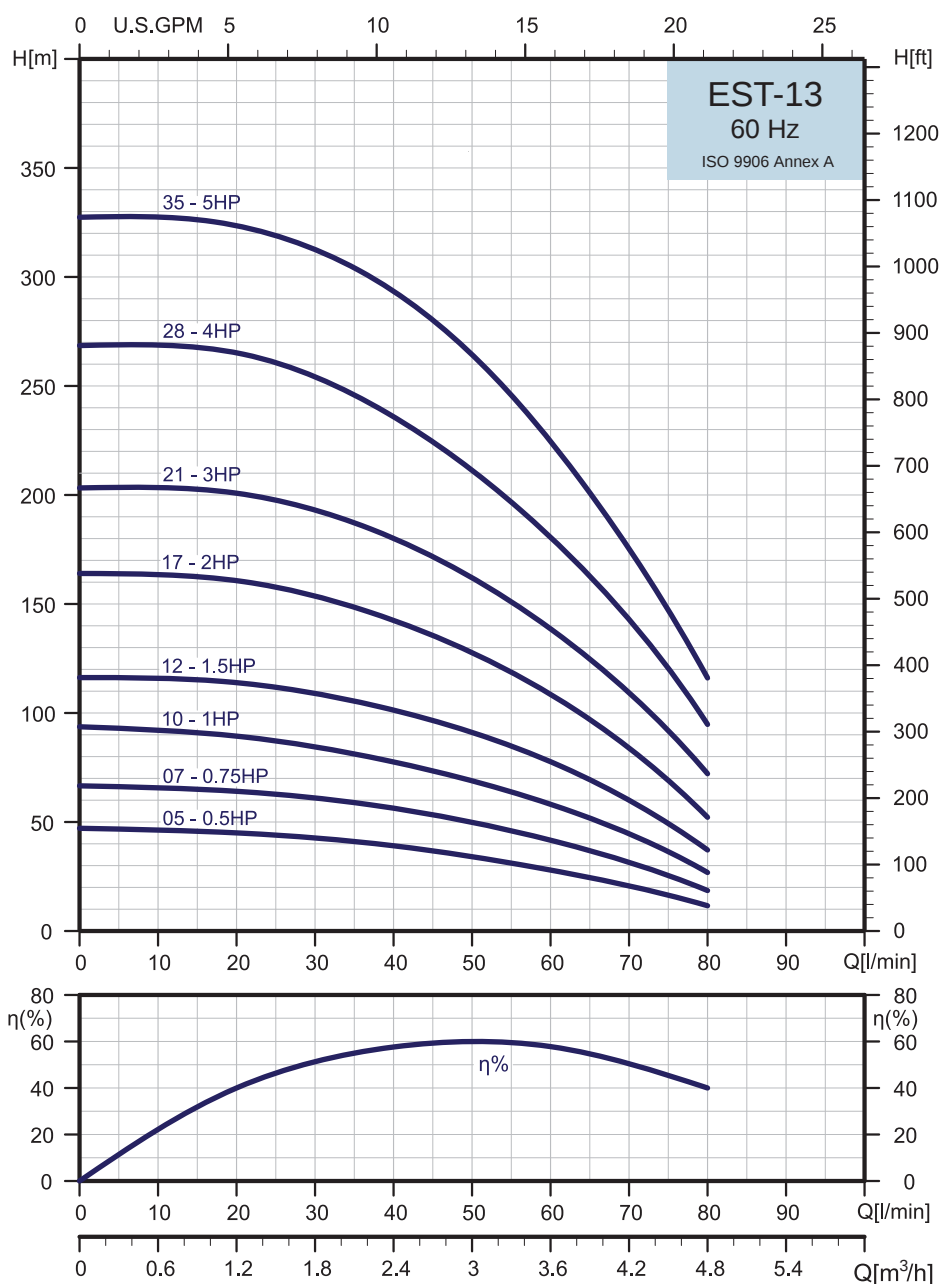


Single Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-10-05	236	RP/NPT 1 1/4"	98	582
EST-10-07	271		98	617
EST-10-10	324		98	689
EST-10-12	359		98	739
EST-10-17	447		98	852
EST-10-20	499		98	939
EST-10-27	660		98	1155
EST-10-34	796		98	1403
EST-10-42	954		98	1637

Three Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-10-05	236	RP/NPT 1 1/4"	98	566
EST-10-07	271		98	601
EST-10-10	324		98	670
EST-10-12	359		98	724
EST-10-17	447		98	827
EST-10-20	499		98	904
EST-10-27	660		98	1100
EST-10-34	796		98	1312
EST-10-42	954		98	N/A

Selection Chart

Pump Type	Stages	Motor		Q=Delivery														Pump	Pumpset	
				l/min	0	15	20	25	30	35	40	50	60	70	80					
		KW	HP	m³/h	0	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	4.2	4.8	Net Weight(kg)				
				H=Total Head In Meters															Single phase	Three phase
EST-10-05	5	0.37	0.5	48			44	42	40	38	36	29	19	9		2.5	9.8	9.2		
EST-07-34	7	0.37	0.5	67			60	58	55	52	49	39	27	13		2.8	10.1	9.5		
EST-10-10	10	0.55	0.75	96			89	85	81	77	71	58	40	19		3.3	11.5	10.7		
EST-10-12	12	0.75	1.0	115			106	102	98	92	85	68	47	23		3.6	12.4	11.8		
EST-10-17	17	1.1	1.5	168			159	152	147	138	128	102	70	35		4.4	14.4	13.3		
EST-10-20	20	1.5	2.0	195			181	177	168	158	146	118	82	40		4.9	16.4	14.9		
EST-10-27	27	2.2	3.0	270			255	247	237	223	209	167	111	53		6.0	20.0	17.6		
EST-10-34	34	3.0	4.0	339			320	310	296	280	259	209	146	70		8.5	27.9	23.7		
EST-10-42	42	3.7	5.0	412			389	375	358	338	315	258	186	95		9.8	32.5	N/A		

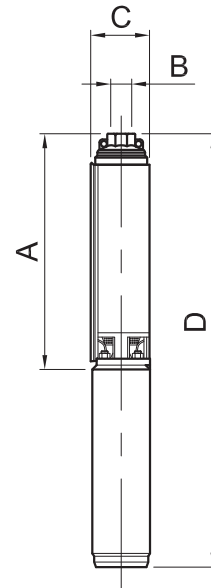
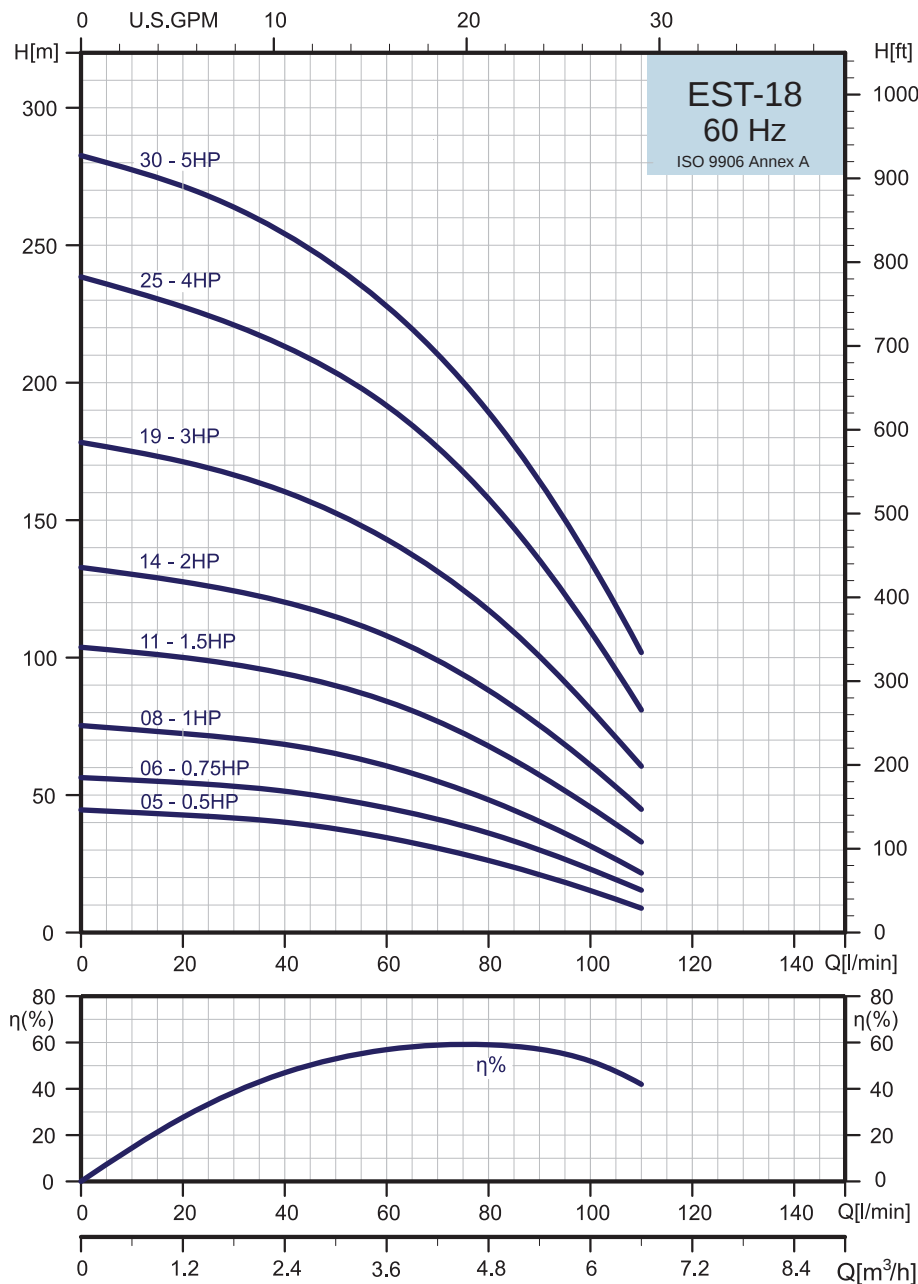


Single Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-13-05	236	RP/NPT 1 1/4"	98	582
EST-13-07	271		98	636
EST-13-10	324		98	704
EST-13-12	359		98	764
EST-13-17	447		98	887
EST-13-21	519		98	1014
EST-13-28	679		98	1286
EST-13-35	841		98	1524

Three Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-13-05	236	RP/NPT 1 1/4"	98	566
EST-13-07	271		98	617
EST-13-10	324		98	689
EST-13-12	359		98	739
EST-13-17	447		98	852
EST-13-21	519		98	959
EST-13-28	679		98	1195
EST-13-35	841		98	N/A

Selection Chart

Pump Type	Stages	Motor		Q=Delivery													Pump	Pumpset	
				l/min	0	25	30	35	40	50	60	70	80	90					
		KW	HP	m³/h	0	1.5	1.8	2.1	2.4	3.0	3.6	4.2	4.8	5.4	Net Weight(kg)				
				H=Total Head In Meters														Single phase	Three phase
EST-13-05	5	0.37	0.5	47			42	40	39	34	28	21	12		2.5	9.8	9.2		
EST-13-07	7	0.55	0.75	67			61	59	57	50	41	31	19		2.8	11.0	10.2		
EST-13-10	10	0.75	1.0	94			85	81	78	69	58	45	28		3.2	12.0	11.4		
EST-13-12	12	1.1	1.5	116			109	106	102	91	78	60	38		3.5	13.5	12.4		
EST-13-17	17	1.5	2.0	165			154	148	143	128	109	83	53		4.3	15.8	14.3		
EST-13-21	21	2.2	3.0	204			193	187	180	162	139	110	72		5.0	19.0	16.6		
EST-13-28	28	3.0	4.0	269			254	246	236	211	180	142	96		6.0	25.4	21.2		
EST-13-35	35	3.7	5.0	327			312	304	292	264	223	175	117		8.6	31.3	N/A		

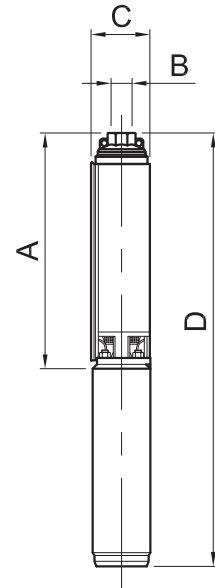
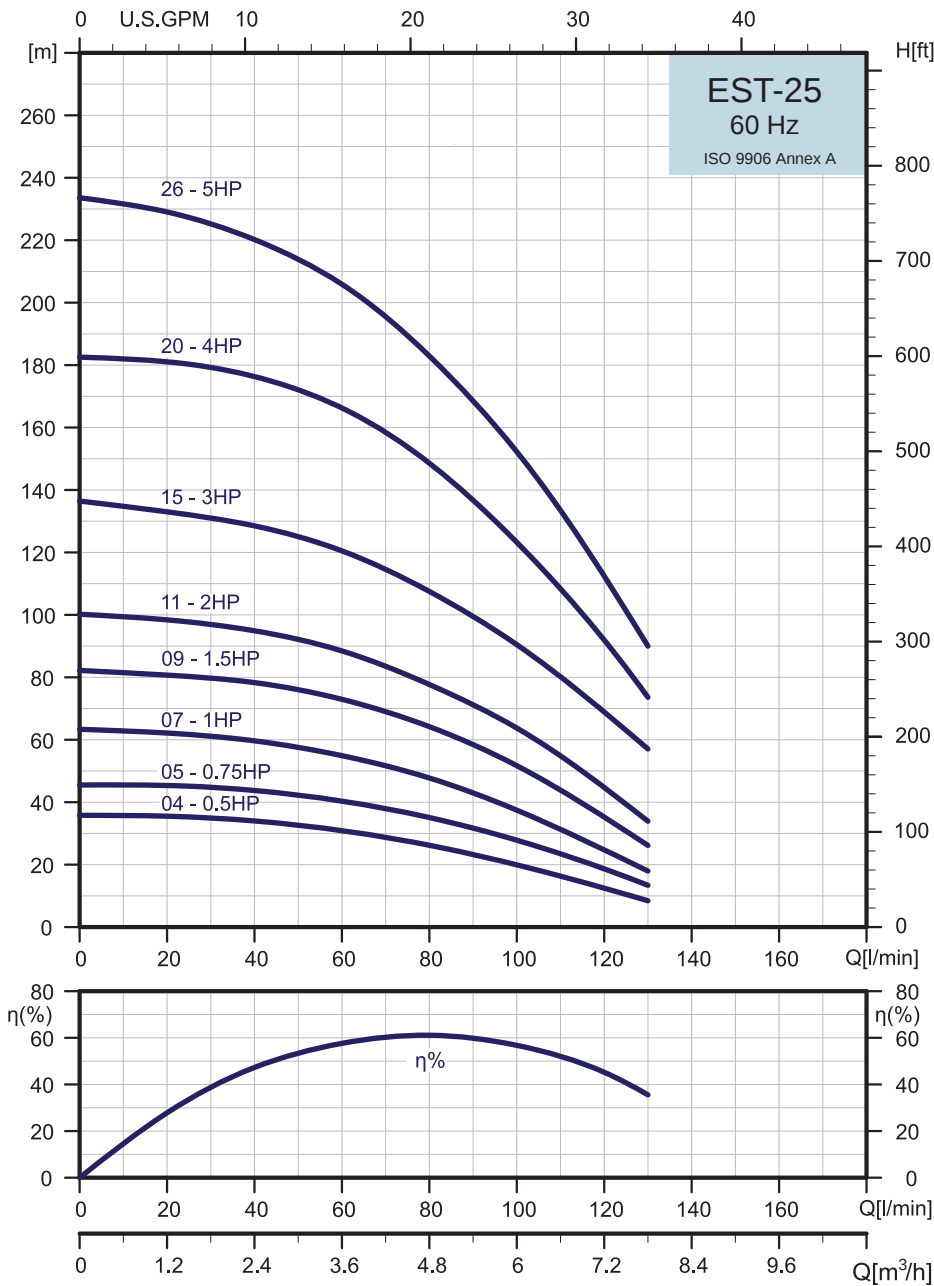


Single Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-18-05	257	RP/NPT 1 1/4"	98	603
EST-18-06	279		98	644
EST-18-08	322		98	702
EST-18-11	387		98	792
EST-18-14	452		98	892
EST-18-19	560		98	1055
EST-18-25	763		98	1370
EST-18-30	865		98	1548

Three Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-18-05	257	RP/NPT 1 1/4"	98	587
EST-18-06	279		98	625
EST-18-08	322		98	687
EST-18-11	387		98	767
EST-18-14	452		98	857
EST-18-19	560		98	1000
EST-18-25	763		98	1279
EST-18-30	865		98	N/A

Selection Chart

Pump Type	Stages	Motor		Q=Delivery														Pump	Pumpset			
				l/min	0	30	35	40	50	60	70	80	90	100	110	120						
		KW	HP	m³/h	0	1.8	2.1	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	Net Weight(kg)					
				H=Total Head In Meters																		Single phase
EST-18-05	5	0.37	0.5	45		41	40	38	35	31	27	21	15	9		2.7	10.0	9.4				
EST-18-06	6	0.55	0.75	56		53	52	49	45	41	37	30	23	16		2.8	11.0	10.2				
EST-18-08	8	0.75	1.0	75		70	68	65	61	55	49	41	32	22		3.1	11.9	11.3				
EST-18-11	11	1.1	1.5	104		96	94	90	84	77	68	58	46	33		3.6	13.6	12.5				
EST-18-14	14	1.5	2.0	133		123	120	115	108	99	88	75	61	45		4.1	15.6	14.1				
EST-18-19	19	2.2	3.0	178		164	160	153	143	131	117	100	81	61		4.9	18.9	16.5				
EST-18-25	25	3.0	4.0	238		217	213	204	192	176	158	136	110	81		6.9	26.3	22.1				
EST-18-30	30	3.7	5.0	283		260	254	242	228	210	189	164	135	102		8.1	30.8	N/A				



Single Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-25-04	247	RP/NPT 1 1/2"	98	593
EST-25-05	272		98	637
EST-25-07	320		98	700
EST-25-09	370		98	775
EST-25-11	419		98	859
EST-25-15	518		98	1013
EST-25-20	679		98	1286
EST-25-26	864		98	1547

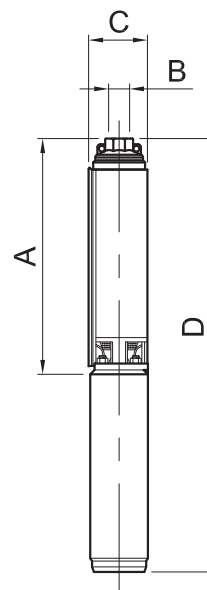
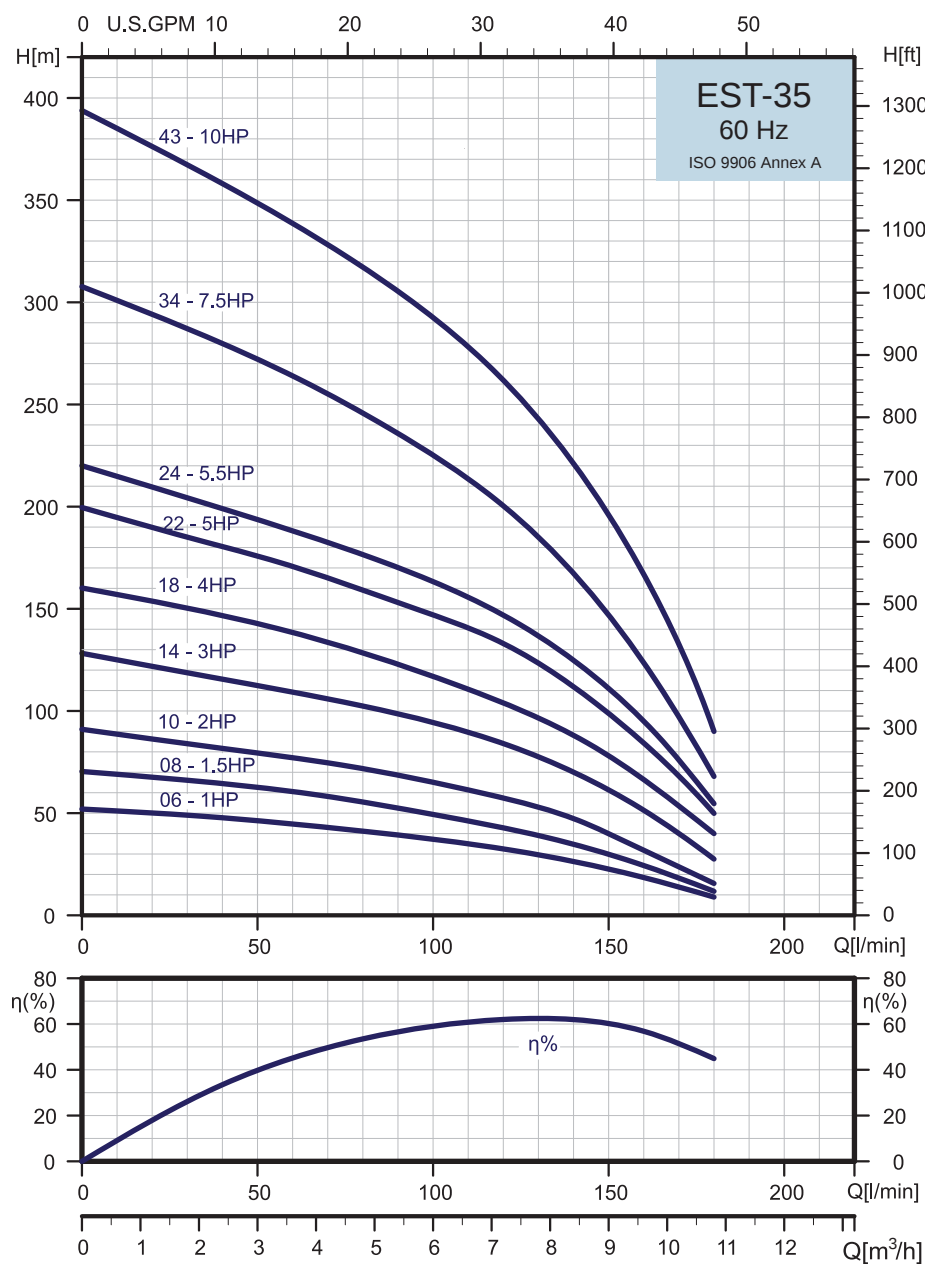
Three Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-25-04	247	RP/NPT 1 1/2"	98	577
EST-25-05	272		98	618
EST-25-07	320		98	685
EST-25-09	370		98	750
EST-25-11	419		98	824
EST-25-15	518		98	958
EST-25-20	679		98	1195
EST-25-26	864		98	N/A

Selection Chart

Pump Type	Stages	Motor		Q=Delivery													
				l/min	0	40	50	60	70	80	90	100	120	140	Pump	Pumpset	
		KW	HP	m³/h	0	2.4	3.0	3.6	4.2	4.8	5.4	6.0	7.2	8.4	Net Weight(kg)		
				H=Total Head In Meters												Single phase	Three phase
EST-25-04	4	0.37	0.5	36			33	31	29	27	23	20	12		2.4	9.7	9.1
EST-25-05	5	0.55	0.75	46			42	40	38	35	32	28	19		2.6	10.8	10
EST-25-07	7	0.75	1.0	63			58	55	52	48	43	37	25		3.1	11.9	11.3
EST-25-09	9	1.1	1.5	82			76	73	69	64	58	52	35		3.5	13.5	12.4
EST-25-11	11	1.5	2.0	100			92	88	84	78	71	64	45		3.9	15.4	13.9
EST-25-15	15	2.2	3.0	136			125	121	115	107	100	90	69		4.7	18.7	16.3
EST-25-20	20	3	4.0	183			172	166	158	148	137	122	92		5.8	25.2	21.0
EST-25-26	26	3.7	5.0	234			214	206	196	183	169	152	112		8.1	30.8	N/A

Performance Curve and Dimension

EST 4"

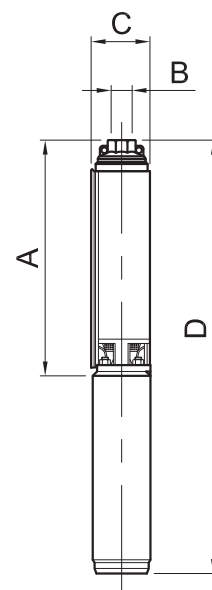
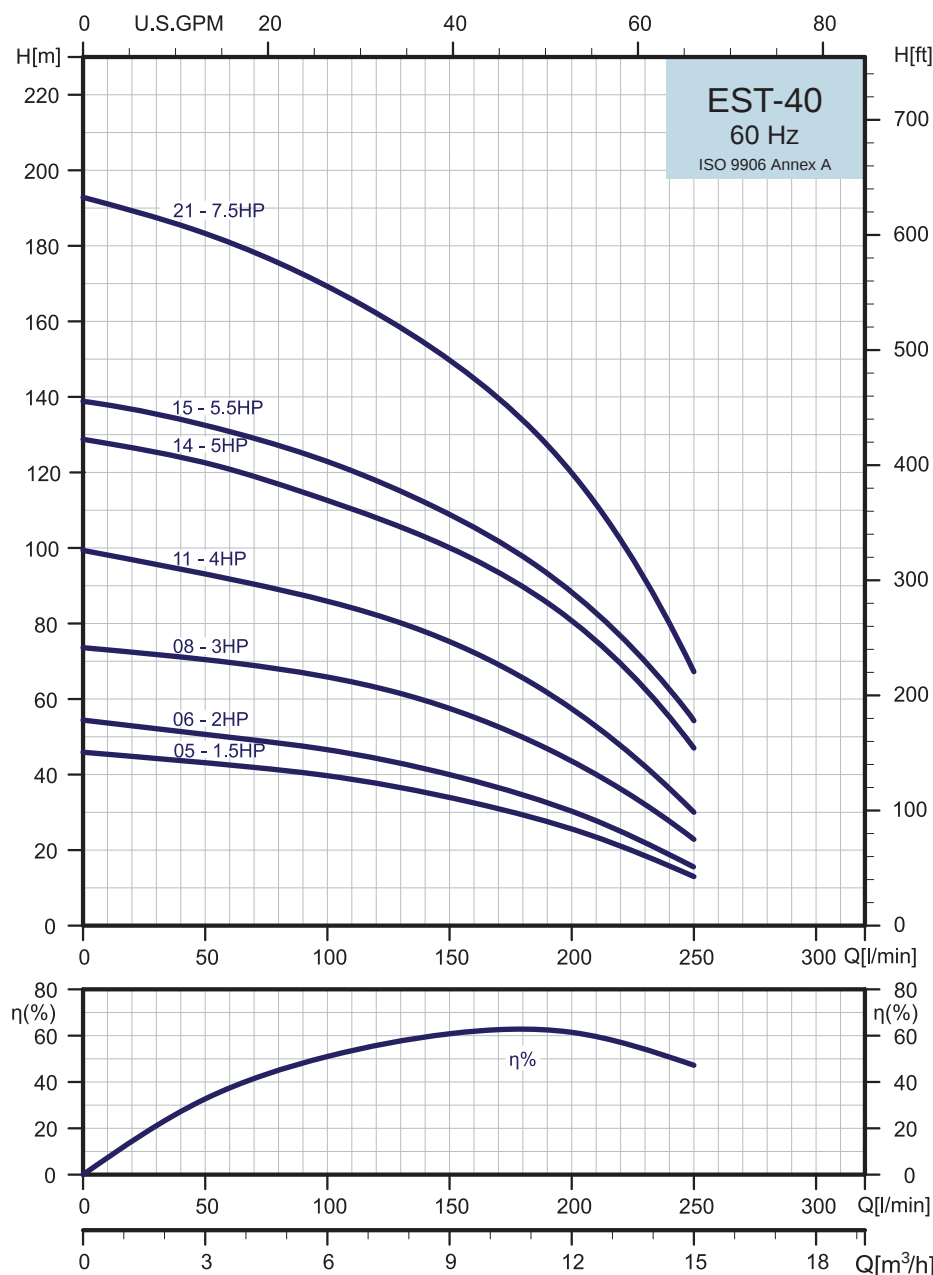


Single Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-35-06	359	RP/NPT 2"	98	739
EST-35-08	421		98	826
EST-35-10	483		98	923
EST-35-14	607		98	1102
EST-35-18	731		98	1338
EST-35-22	893		98	1576
EST-35-24	993		98	1676
EST-35-34	1295		98	N/A
EST-35-43	1356		98	N/A

Three Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-35-06	359	RP/NPT 2"	98	724
EST-35-08	421		98	801
EST-35-10	483		98	888
EST-35-14	607		98	1047
EST-35-18	731		98	1247
EST-35-22	893		98	N/A
EST-35-24	993		98	1600
EST-35-34	1295		98	1978
EST-35-43	1356		98	2140

Selection Chart

Pump Type	Stages	Motor		Q=Delivery												Pump	Pumpset		
				l/min	0	50	60	70	80	90	100	120	140	160	180				200
		KW	HP	m³/h	0	3.0	3.6	4.2	4.8	5.4	6.0	7.2	8.4	9.6	10.8	12	Net Weight(kg)		
				H=Total Head In Meters														Single phase	Three phase
EST-35-06	6	0.75	1.0	52		44	43	42	40	38	33	27	18	9		3.4	12.2	11.6	
EST-35-08	8	1.1	1.5	70		60	58	55	52	50	43	35	24	12		4.0	14.0	12.9	
EST-35-10	10	1.5	2.0	91		77	75	72	69	65	58	48	32	17		4.6	16.1	14.6	
EST-35-14	14	2.2	3.0	128		109	106	102	99	94	83	70	51	29		5.7	19.7	17.3	
EST-35-18	18	3.0	4.0	160		139	133	129	123	117	104	89	67	40		6.9	26.3	22.1	
EST-35-22	22	3.7	5	200		170	165	159	152	147	132	111	84	50		8.1	30.8	N/A	
EST-35-24	24	4.0	5.5	220		189	182	177	170	162	148	125	95	55		9.7	32.5	29.2	
EST-35-34	34	5.5	7.5	308		263	255	246	236	225	200	167	122	69		12.6	N/A	35.7	
EST-35-43	43	7.5	10	394		339	328	317	305	292	261	220	167	90		15.2	N/A	42.7	



Single Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-40-05	325	RP/NPT 2"	98	730
EST-40-06	356		98	796
EST-40-08	418		98	913
EST-40-11	511		98	1118
EST-40-14	604		98	1287
EST-40-15	638		98	1321
EST-40-21	859		98	N/A

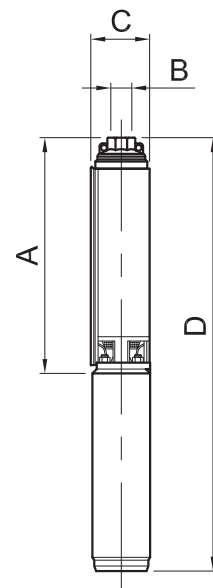
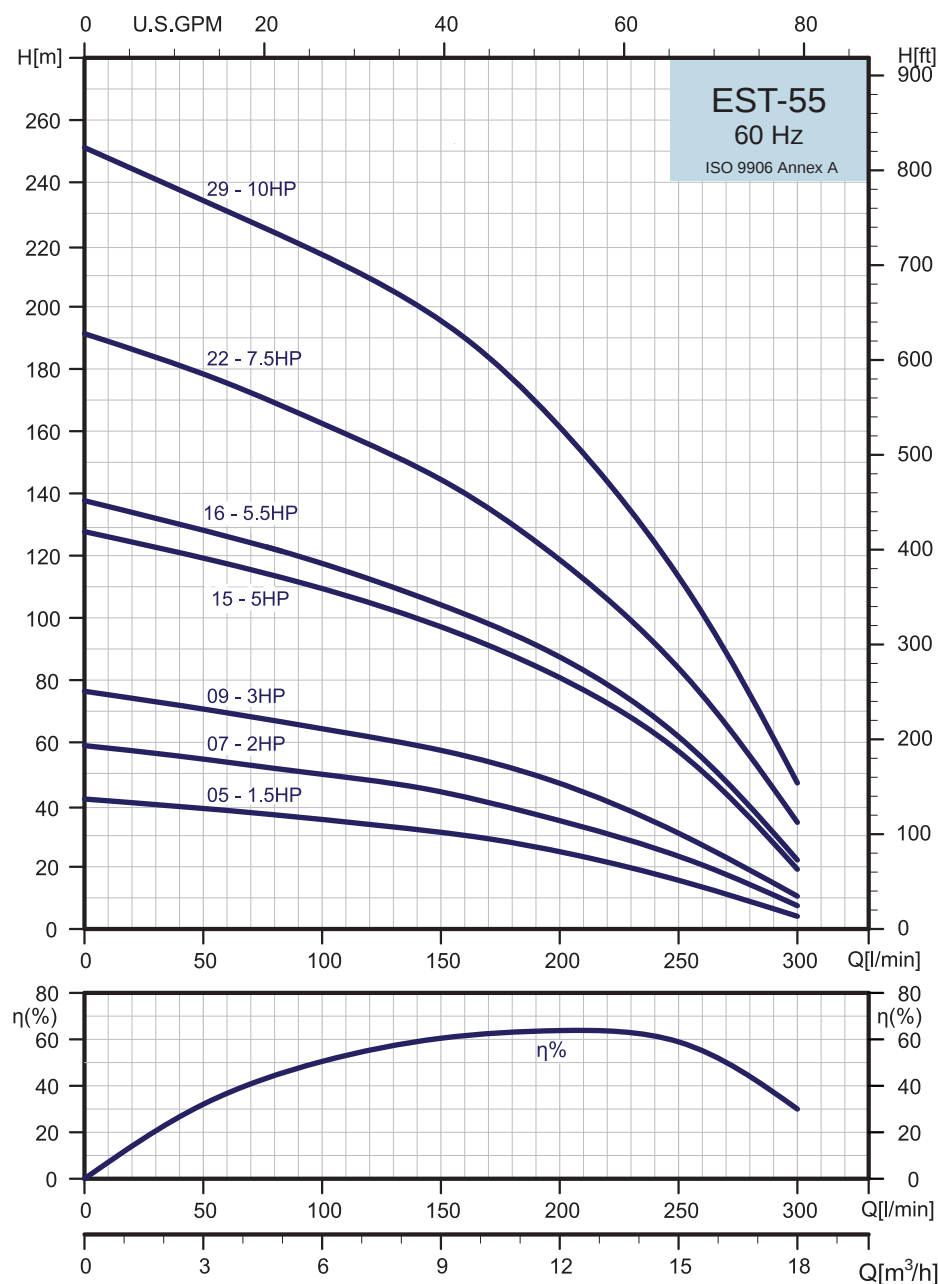
Three Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-40-05	325	RP/NPT 2"	98	705
EST-40-06	356		98	761
EST-40-08	418		98	858
EST-40-11	511		98	1027
EST-40-14	604		98	N/A
EST-40-15	638		98	1245
EST-40-21	859		98	1542

Selection Chart

Pump Type	Stages	Motor		Q=Delivery														Pump	Pumpset	
				l/min	0	60	70	80	90	100	120	140	160	180	200	250	280			
		KW	HP	m³/h	0	3.6	4.2	4.8	5.4	6.0	7.2	8.4	9.6	10.8	12	15	16.8	Net Weight(kg)		
																				Single phase
EST-40-05	5	1.1	1.5	46		42	41	40	39	37	35	33	29	25	14		3.1	13.1	12.0	
EST-40-06	6	1.5	2.0	55		49	48	47	47	45	42	38	35	30	17		3.4	14.9	13.4	
EST-40-08	8	2.2	3.0	74		69	68	67	66	63	60	56	50	43	24		4.0	18.0	15.6	
EST-40-11	11	3.0	4.0	100		91	88	87	86	83	78	73	66	58	30		4.9	24.3	20.1	
EST-40-14	14	3.7	5.0	129		118	116	115	113	108	103	97	90	81	48		5.7	28.4	N/A	
EST-40-15	15	4.0	5.5	139		128	126	125	123	118	113	105	97	88	55		6.0	28.8	25.5	
EST-40-21	21	5.5	7.5	194		178	175	173	169	162	154	145	134	120	68		7.8	N/A	30.9	

Performance Curve and Dimension

EST 4"



Single Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-55-05	433	RP/NPT 2"	98	838
EST-55-07	537		98	977
EST-55-09	641		98	1136
EST-55-15	953		98	1636
EST-55-16	1005		98	1612
EST-22-55	1383		98	N/A
EST-55-29	1746		98	N/A

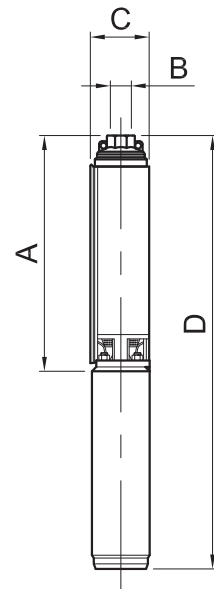
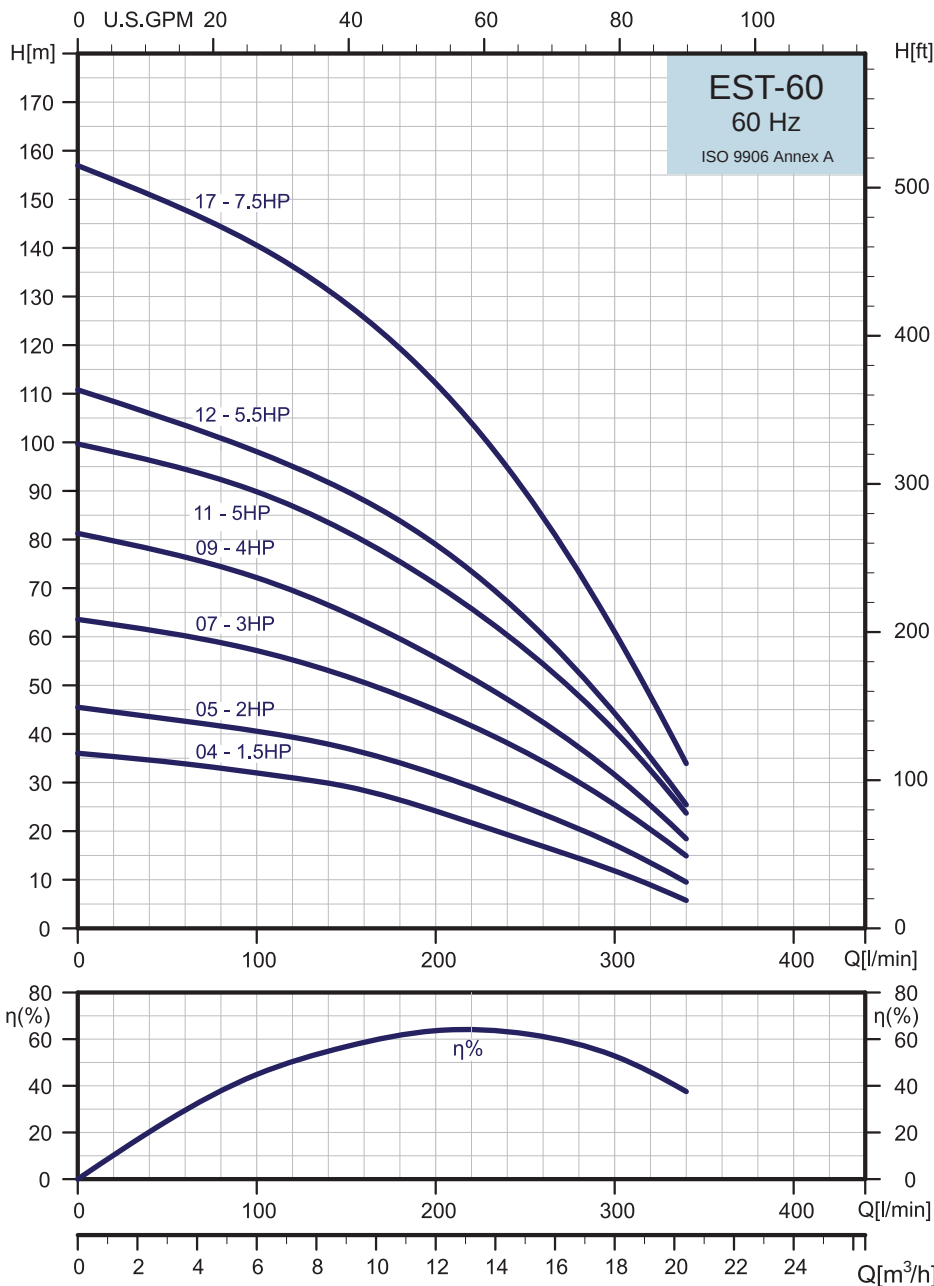
Three Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-55-05	433	RP/NPT 2"	98	813
EST-55-07	537		98	942
EST-55-09	641		98	1081
EST-55-15	953		98	N/A
EST-55-16	1005		98	1612
EST-55-22	1383		98	2066
EST-55-29	1746		98	2529

Selection Chart

Pump Type	Stages	Motor		Q=Delivery																			Pump	Pumpset		
				l/min	0	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340						
		KW	HP	m³/h	0	4.2	4.8	5.4	6.0	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18	20.4	Net Weight(kg)					
		H=Total Head In Meters																				Single phase				Three phase
EST-55-05	5	1.1	1.5	42		38	37	36	34	32	30	28	25	22	18	14	9	5		4.3	14.3	13.2				
EST-55-07	7	1.5	2.0	59		52	51	50	48	46	43	40	36	31	26	21	15	8		5.3	16.8	15.3				
EST-55-09	9	2	3.0	76		67	66	64	62	59	56	52	47	42	35	28	19	11		6.2	20.2	17.8				
EST-55-15	15	3.7	5.0	128		113	112	109	105	100	94	88	80	72	63	51	37	20		9.0	31.7	N/A				
EST-55-16	16	4.0	5.5	137		122	120	117	112	107	101	95	88	79	68	55	40	23		9.5	32.3	29.0				
EST-55-22	22	5.5	7.5	191		169	166	162	156	149	140	131	118	106	91	75	55	35		13.3	N/A	36.4				
EST-55-29	29	7.5	10	251		225	221	218	209	200	190	177	161	144	125	101	75	48		16.6	N/A	44.1				

Performance Curve and Dimension

EST 4"

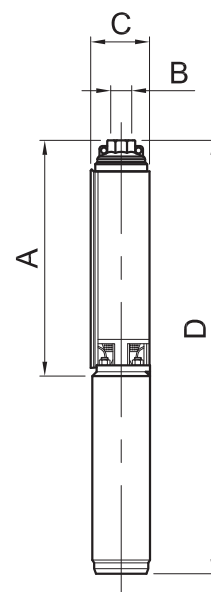
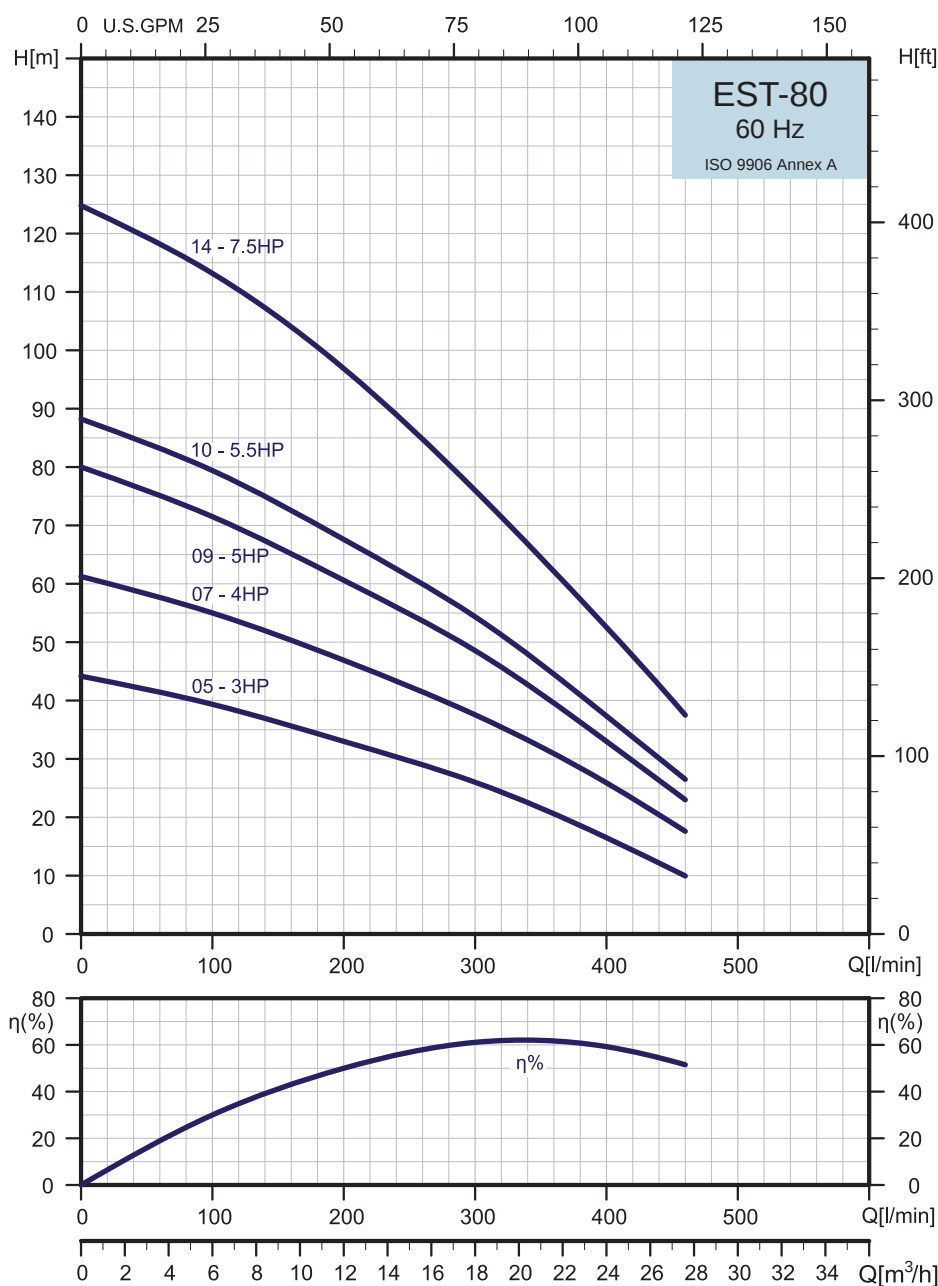


Single Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-60-04	378	RP/NPT 2"	98	783
EST-60-05	430		98	870
EST-60-07	534		98	1029
EST-60-09	638		98	1245
EST-60-11	742		98	1425
EST-60-12	797		98	N/A
EST-60-17	1092		98	N/A

Three Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-60-04	378	RP/NPT 2"	98	758
EST-60-05	430		98	835
EST-60-07	534		98	974
EST-60-09	638		98	1154
EST-60-11	742		98	N/A
EST-60-12	797		98	1404
EST-60-17	1092		98	1775

Selection Chart

Pump Type	Stages	Motor		Q=Delivery																	Pump	Pumpset	
				l/min	0	90	100	120	140	160	180	200	220	240	260	280	300	340	380				
		KW	HP	m³/h	0	5.4	6.0	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18	20.4	22.8	Net Weight(kg)			
				H=Total Head In Meters																		Single phase	Three phase
EST-60-04	4	1.1	1.5	36		32	31	30	28	26	24	22	19	17	14	12	6		3.9	13.9	12.8		
EST-60-05	5	1.5	2.0	46		41	39	37	36	34	32	29	26	23	20	17	9		4.4	15.9	14.4		
EST-60-07	7	2.2	3.0	64		57	55	53	51	48	45	42	38	34	30	25	15		5.3	19.3	16.9		
EST-60-09	9	3.0	4.0	82		72	69	67	64	60	56	52	47	42	37	32	18		6.3	25.7	21.5		
EST-60-11	11	3.7	5.0	100		90	87	83	80	75	71	67	60	54	48	41	24		7.2	29.9	N/A		
EST-60-12	12	4.0	5.5	110		98	95	92	88	84	78	73	67	60	55	44	26		7.7	N/A	27.2		
EST-60-17	17	5.5	7.5	157		140	136	131	126	119	112	104	95	85	73	61	35		10.1	N/A	33.2		

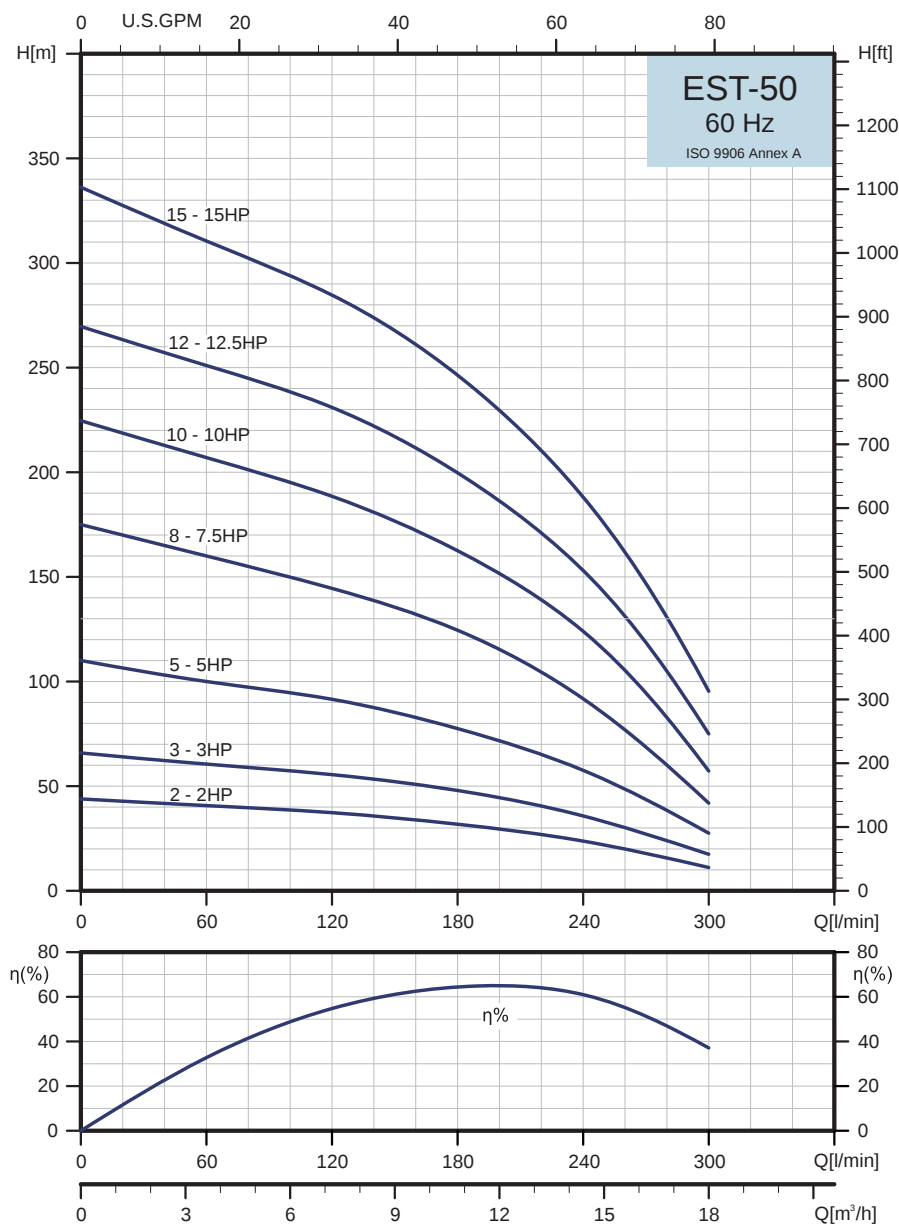


Single Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-80-05	472	RP/NPT 2"	98	967
EST-80-07	608		98	1215
EST-80-09	743		98	1426
EST-80-10	814		98	1497
EST-80-14	1081		98	N/A

Three Phase Motor				
Pump Type	Dimensions(mm)			
	A	B	C	D
EST-80-05	472	RP/NPT 2"	98	912
EST-80-07	608		98	1124
EST-80-09	743		98	N/A
EST-80-10	814		98	1421
EST-80-14	1081		98	1764

Selection Chart

Pump Type	Stages	Motor		Q=Delivery																	Pump	Pumpset	
				l/min	0	140	160	180	200	220	240	260	280	300	340	380	420	460	500				
		KW	HP	m³/h	0	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18	20.4	22.8	25.2	27.6	30	Net Weight(kg)			
				H=Total Head In Meters																		Single phase	Three phase
EST-80-05	5	2.2	3.0	44		36	34	33	32	30	29	28	26	23	19	14	10		4.4	18.4	16.0		
EST-80-07	7	3.0	4.0	61		50	49	47	45	43	41	40	38	33	28	23	18		5.6	25.0	20.8		
EST-80-09	9	3.7	5.0	80		65	63	61	58	56	54	51	49	43	36	30	23		6.9	29.6	N/A		
EST-80-10	10	4.0	5.5	88		73	70	68	65	63	60	57	54	48	41	34	27		7.5	30.3	27.0		
EST-80-14	14	5.5	7.5	126		104	101	97	93	89	85	80	76	67	62	48	38		9.9	N/A	33.0		

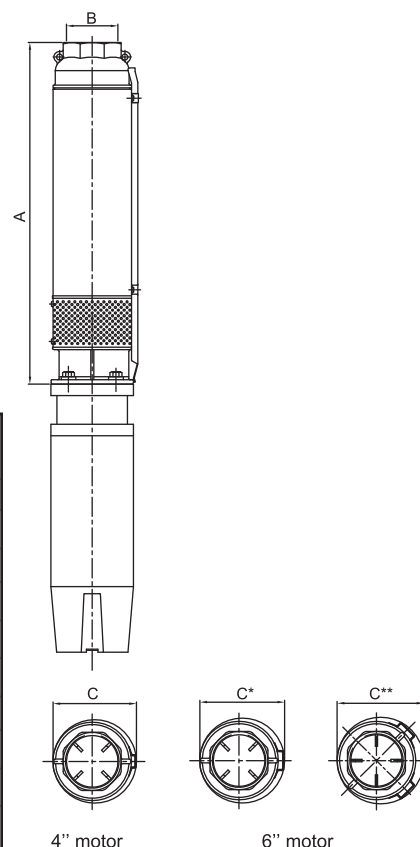


Product data

Pump Type	HP	Q(GPM)	H(ft)	Hmax(ft)
EST-50-02	2	50	101	144
EST-50-03	3	50	153	217
EST-50-05	5	50	246	361
EST-50-08	7.5	50	396	575
EST-50-10	10	50	518	737
EST-50-12	12.5	50	636	885
EST-50-15	15	50	784	1103

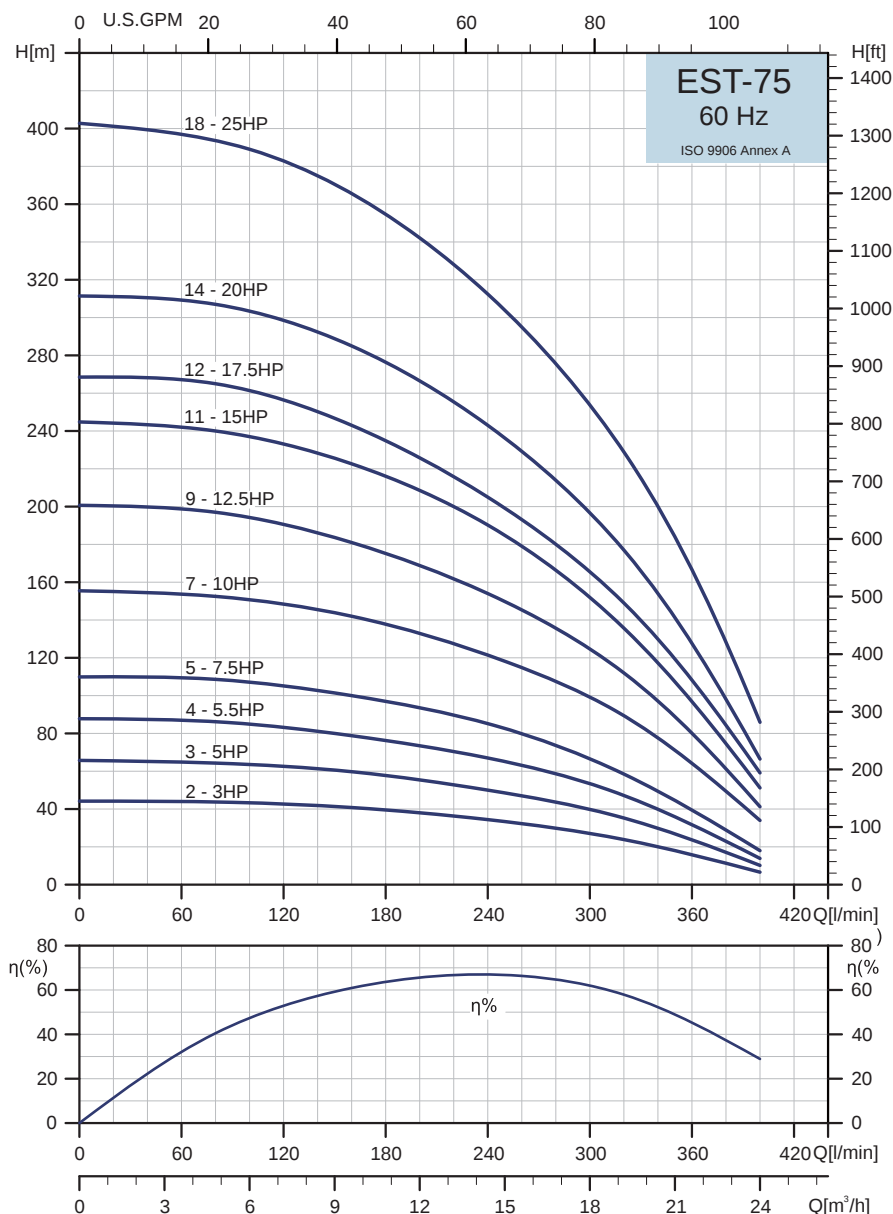
Dimensions and weights

Pump type	Motor			Dimensions(mm)					Weight(kg)
	Power		Type						
	kW	HP		A	B	C	C*	C**	Pump
EST-50-02	1.5	2	4"	425	NPT3" RP3"	138			8.2
EST-50-03	2.2	3	4"	463		138			8.9
EST-50-05	3.7	5	4"	539		138			10.3
EST-50-08	5.5	7.5	4"	653		138			12.5
EST-50-10	7.5	10	4"	729		138			13.8
EST-50-08	5.5	7.5	6"	667			141	144	13.2
EST-50-10	7.5	10	6"	743			141	144	14.6
EST-50-12	9.3	12.5	6"	819			141	144	15.9
EST-50-15	11	15	6"	933			141	144	17.8



Performance Curve and Dimension

EST 6"

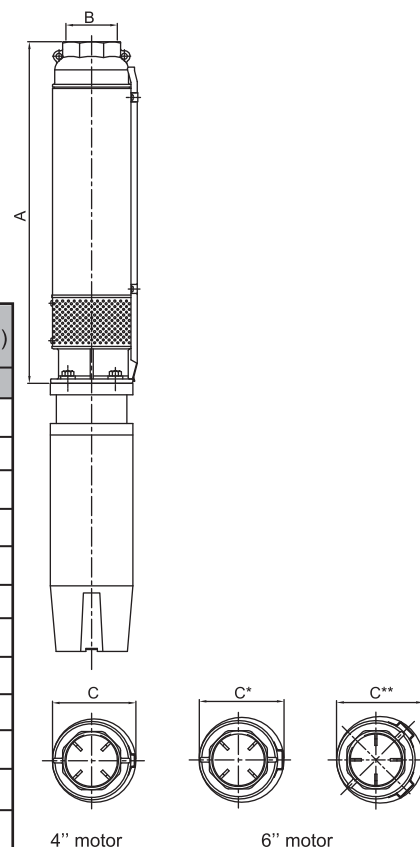


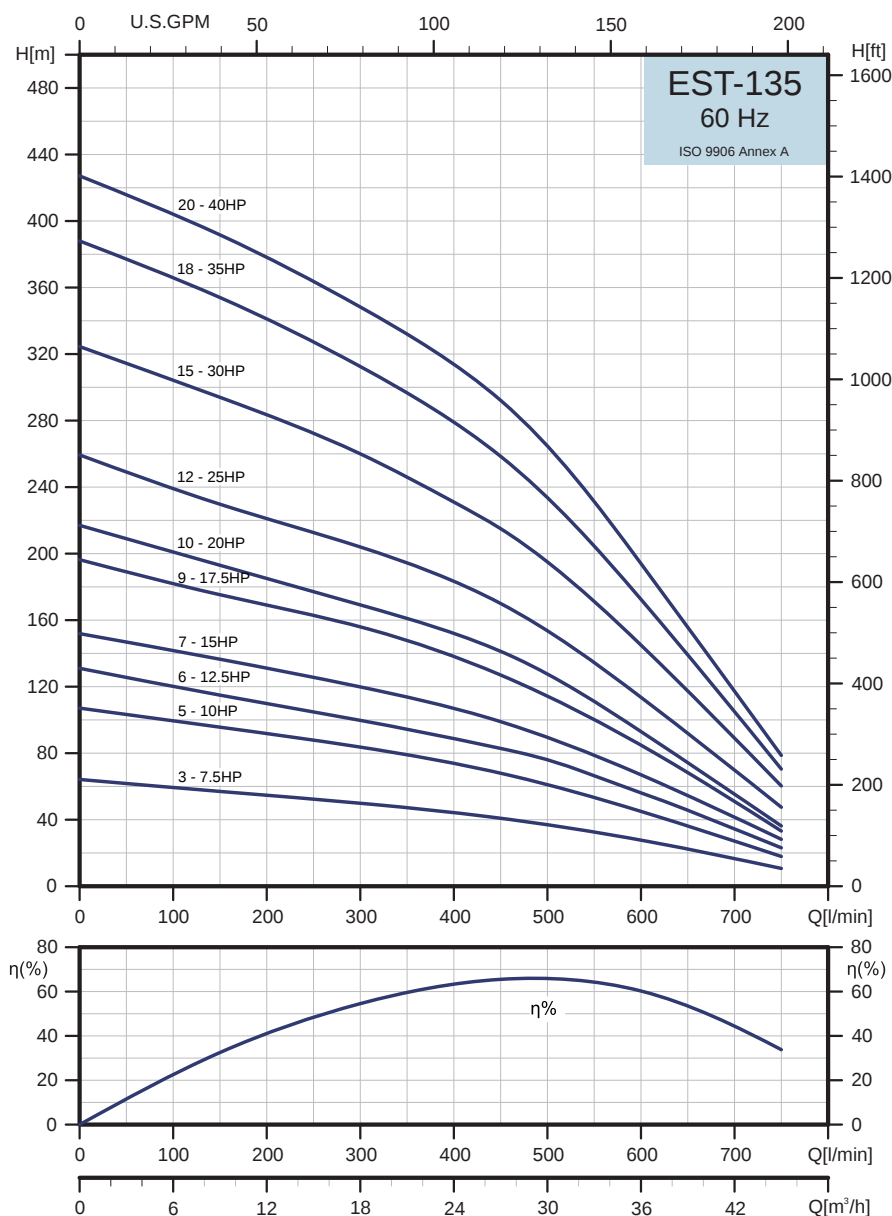
Product data

Pump Type	HP	Q(GPM)	H(ft)	Hmax(ft)
EST-75-02	3	75	97	145
EST-75-03	5	75	141	216
EST-75-04	5.5	75	190	288
EST-75-05	7.5	75	238	361
EST-75-07	10	75	348	510
EST-75-09	12.5	75	439	659
EST-75-11	15	75	538	804
EST-75-02	17.5	75	582	881
EST-75-14	20	75	692	1022
EST-75-18	25	75	891	1322

Dimensions and weights

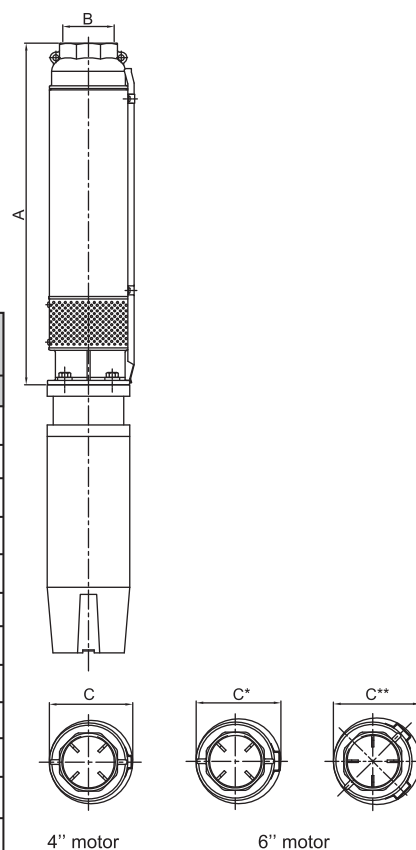
Pump type	Motor			Dimensions(mm)					Weight(kg)
	Power		Type						
	kW	HP		A	B	C	C*	C**	Pump
EST-75-02	2.2	3	4"	425	NPT3" RP3"	138			8.2
EST-75-03	3.7	5	4"	463		138			8.9
EST-75-04	4	5.5	4"	501		138			9.6
EST-75-05	5.5	7.5	4"	539		138			10.3
EST-75-07	7.5	10	4"	615		138			11.7
EST-75-05	5.5	7.5	6"	553			141	144	11.1
EST-75-07	7.5	10	6"	629			141	144	12.5
EST-75-09	9.3	12.5	6"	705			141	144	13.9
EST-75-11	11	15	6"	781			141	144	15.2
EST-75-12	13	17.5	6"	819			141	144	15.8
EST-75-14	15	20	6"	895			141	144	17.2
EST-75-18	18.5	25	6"	1047			141	144	19.9

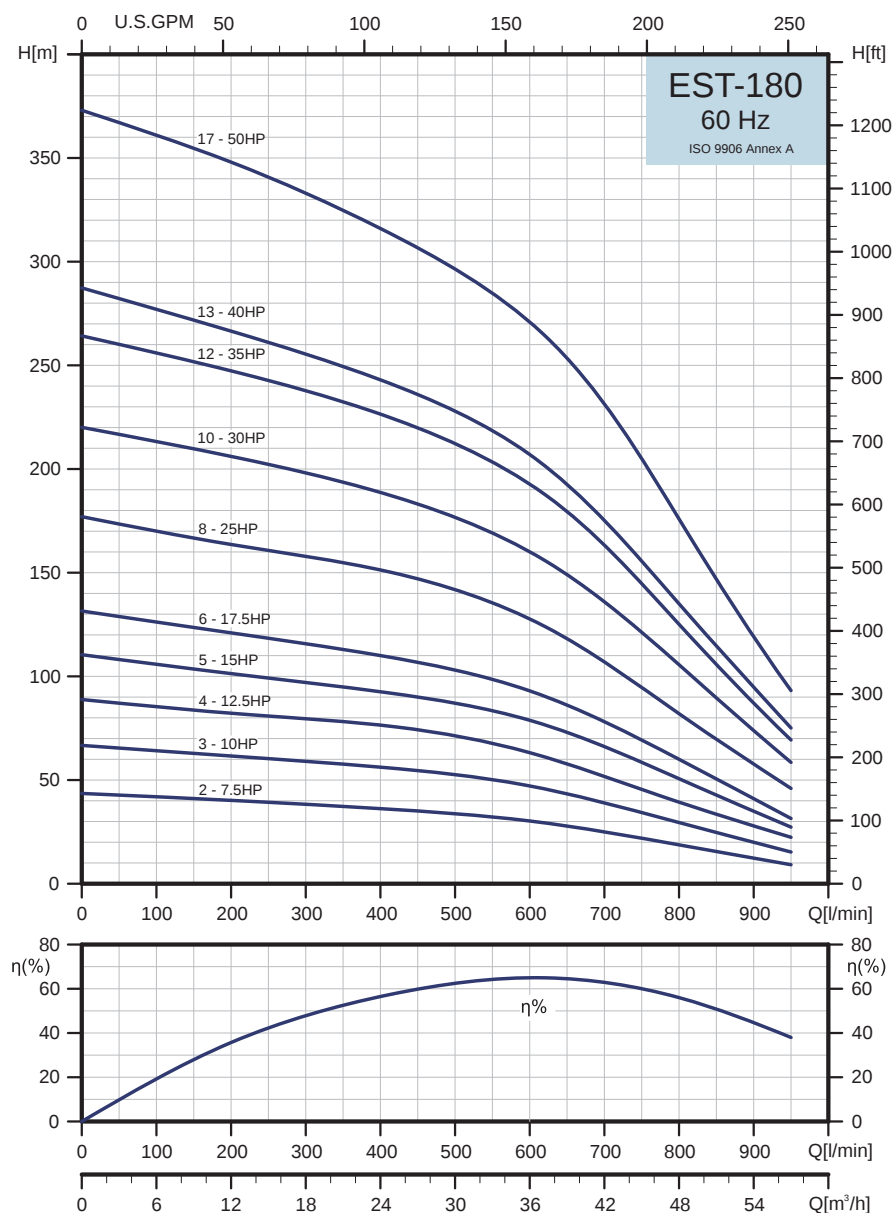




Dimensions and weights

Pump type	Motor			Dimensions(mm)					Weight(kg)
	Power		Type						
	kW	HP		A	B	C	C*	C**	Pump
EST-135-03	5.5	7.5	4"	520	NPT3" RP3"	138			9.9
EST-135-05	7.5	10	4"	634		138			11.8
EST-135-03	5.5	7.5	6"	534			141	144	10.7
EST-135-05	7.5	10	6"	648			141	144	12.5
EST-135-06	9.3	12.5	6"	705			141	144	13.5
EST-135-07	11	15	6"	762			141	144	14.4
EST-135-09	13	17.5	6"	876			141	144	16.1
EST-135-10	15	20	6"	933			141	144	17
EST-135-12	18.5	25	6"	1047			141	144	18.9
EST-135-15	22	30	6"	1218			141	144	21.6
EST-135-18	26	35	6"	1389			141	144	24.3
EST-135-20	30	40	6"	1555			141	144	27



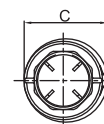
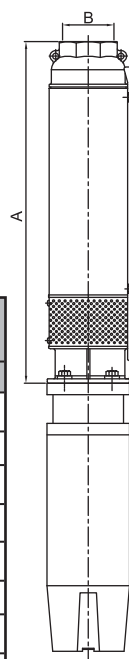


Product data

Pump Type	HP	Q(GPM)	H(ft)	Hmax(ft)
EST-180-02	7.5	180	86	143
EST-180-03	10	180	134	220
EST-180-04	12.5	180	178	292
EST-180-05	15	180	226	363
EST-180-06	17.5	180	267	432
EST-180-08	25	180	366	581
EST-180-10	30	180	463	723
EST-180-12	35	180	557	867
EST-180-13	40	180	598	943
EST-180-17	50	180	788	1224

Dimensions and weights

Pump type	Motor		Type	Dimensions(mm)					Weight(kg)
	kW	HP		A	B	C	C*	C**	
EST-180-02	5.5	7.5	4"	469	NPT3" RP3"	138			8.9
EST-180-03	7.5	10	4"	529		138			9.9
EST-180-02	5.5	7.5	6"	483			141	144	9.8
EST-180-03	7.5	10	6"	543			141	144	10.7
EST-180-04	9.3	12.5	6"	603			141	144	11.6
EST-180-05	11	15	6"	663			141	144	12.6
EST-180-06	13	17.5	6"	723			141	144	13.6
EST-180-08	18.5	25	6"	843			141	144	15.5
EST-180-10	22	30	6"	963			141	144	17.4
EST-180-12	26	35	6"	1083			141	144	19.2
EST-180-13	30	40	6"	1143			141	144	20.3
EST-180-17	37	50	6"	1435			141	144	24.9

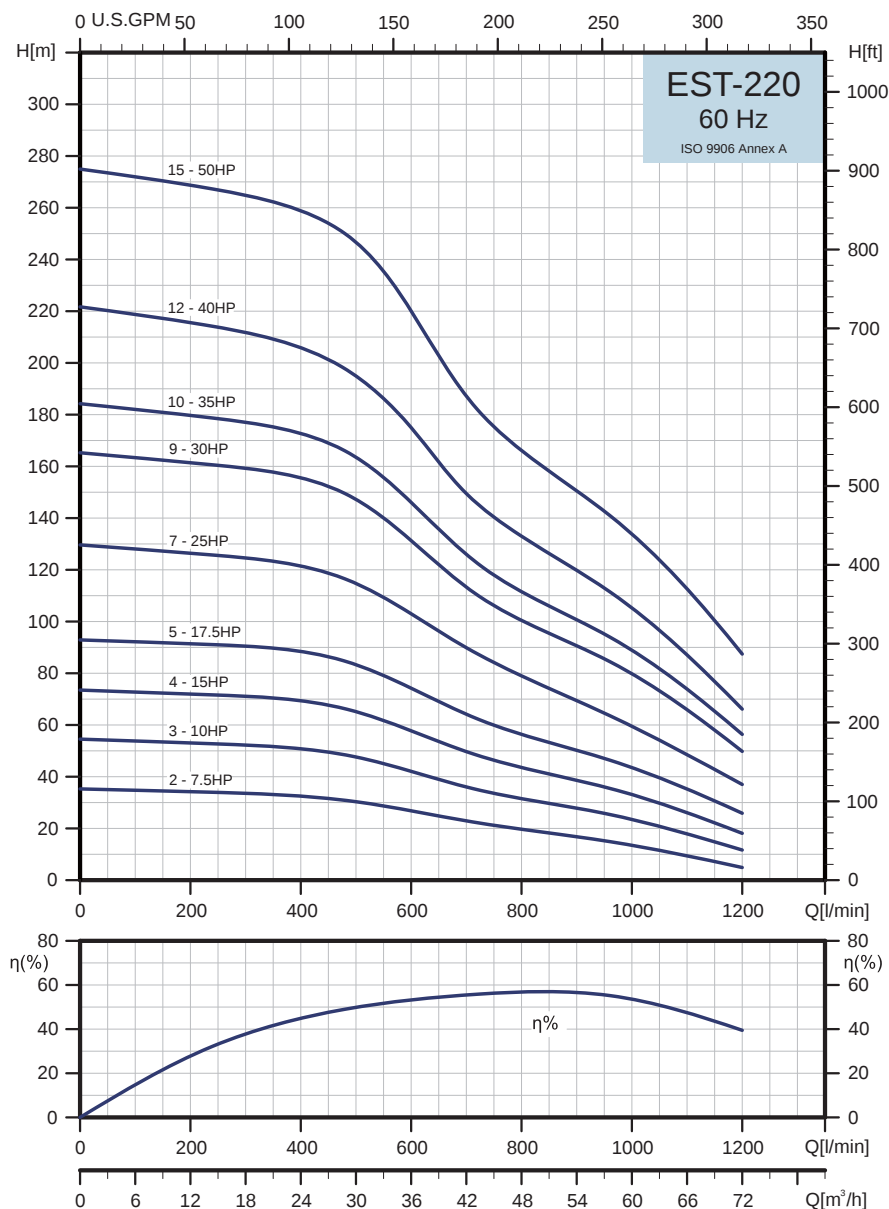


4" motor



6" motor



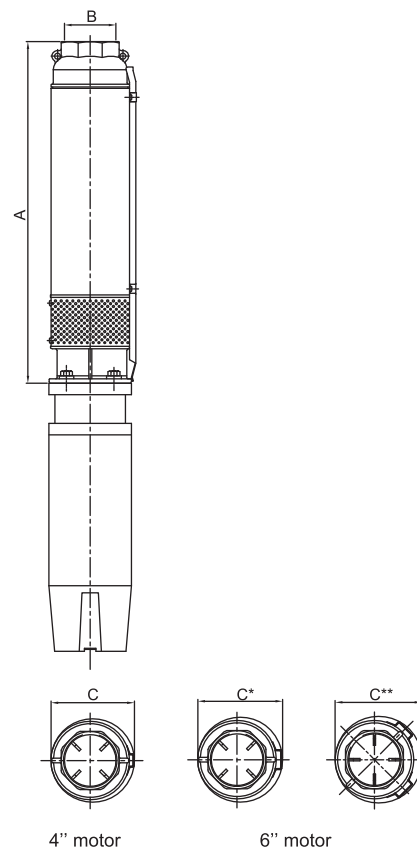


Product data

Pump Type	HP	Q(GPM)	H(ft)	Hmax(ft)
EST-220-02	7.5	220	62	116
EST-220-03	10	220	100	179
EST-220-04	15	220	138	242
EST-220-05	17.5	220	179	305
EST-220-07	25	220	249	426
EST-220-09	30	220	319	543
EST-220-10	35	220	354	605
EST-220-12	40	220	422	728
EST-220-15	50	220	528	903

Dimensions and weights

Pump type	Motor			Dimensions(mm)					Weight(kg)
	Power		Type						
	kW	HP		A	B	C	C*	C**	Pump
EST-220-02	5.5	7.5	4"	469	NPT3" RP3"	138			8.9
EST-220-03	7.5	10	4"	529		138			9.9
EST-220-02	5.5	7.5	6"	483			141	144	9.8
EST-220-03	7.5	10	6"	543			141	144	10.7
EST-220-04	11	15	6"	603			141	144	11.7
EST-220-05	13	17.5	6"	663			141	144	12.6
EST-220-07	18.5	25	6"	783			141	144	14.5
EST-220-09	22	30	6"	903			141	144	16.5
EST-220-10	26	35	6"	963			141	144	17.5
EST-220-12	30	40	6"	1083			141	144	19.5
EST-220-15	37	50	6"	1263			141	144	22.6



Your Local Distributor Details :



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